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Document Number 2

Entry 2 of 3

File: DWPI

Jun 14, 1993

DERWENT-ACC-NO: 1993-281170

DERWENT-WEEK: 199336

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TITLE: Web of cellulosic fibre - coated or impregnated with
binder comprising aliphatic polyester such as poly:lactide
INVENTOR: KHARAS, G B; NEMPHOS, S P

PRIORITY-DATA:

1991CA-2057669

December 13, 1991

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CA 2057669 A	June 14, 1993	N/A	023	D21H017/20

INT-CL (IPC): D21H 17/20

ABSTRACTED-PUB-NO: CA 2057669A

BASIC-ABSTRACT:

In a web of cellulosic fibres at least part of the fibre is contacted with a binder comprising a polymer (I) of m.wt. above 30000 comprising units of the formula -OCR₁R₂(CR₃R₄)_nCO- (I), where R₁, R₂, R₃ and R₄ are each H or 1-4C alkyl and n is 0-5.

The binder can be applied as a coating to one or both surfaces of the web, e.g. from a 5-25 wt% soln. in an organic solvent, from a 20-70% aqs. dispersion, by extension coating, or by lamianting a film of (I) to the cellulosic fibre web, or the web can be impregnated with the binder from a 5-25 wt% soln. on an alganic solvent or from a 20-70% aqs. dispersion. (I) is polyoxide comprising units of formula -O-CH(CH₃)-C(O)- (II), or a copolymer of 10-70 wt% (II) and 30-90 wt% units (I) where n = 1, or a blend of 10-70 wt% polyactide with 30-90 wt% of a polymer (I) where n = 1.

USE/ADVANTAGE - The web is biodegradable and the fibres of the web can be more easily recycled.

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-OCR1R2(CR3R4)_nCO- (I), where R1, R2, R3 and R4 are each H or 1-4C alkyl and n is 0-5.

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